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Amendment in the Claims

A method comprising: 1. (Currently Amended)

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receiving a first search query having a first content, the first content comprising a plurality of components;

rewriting the first search query into a modified search query;

mapping the first search query to the modified search query in a cache memory;

receiving a second search query having a second content;

determining whether at least a portion of the second content is substantially identical tomatches the first content;

responsive to the at least one portion of the second content being substantially identical to matching the first content, substituting the modified search query for the at least one portion of the second content to form a modified second search query; and

issuing a search of the modified second search query having the substituted modified search query to return one or more search results as responsive to the received second search query.

2. (Currently Amended) The method of claim 1, further comprising:

determining whether the second content is substantially identical tomatches the first content;

responsive to the second content being substantially identical to matching to the first content, substituting the modified search query for the received second search query; and

issuing a search of the modified search query to the backend-data system to return one or more search results as responsive to the received second search query.

The method of claim 1, further comprising: 3. (Currently Amended)

responsive to the second content not comprising any portion that is substantially identical to matches the first content, issuing a search of the received second search query to the backend search system.

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4. (Original) The method of claim 1, wherein the cache memory comprises a look-up table for

the mapping.

5. (Original) The method of claim 1, wherein the search of the modified second search query is

issued to a backend data system.

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6. (Original) The method of claim 5, wherein the backend data system is physically apart from

the cache memory and comprises one or more databases having data to be searched.

7. (Original) The method of claim 5, wherein the cache memory comprises a look-up table

mapping the first search query to the modified search query; and

wherein the backend data system is physically apart from the cache memory and

comprises one or more databases having data to be searched.

8. (Original) The method of claim 1, wherein the step of mapping is performed offline prior to

the step of receiving the second search query; and the step of substituting is performed online

upon receiving the second search query.

9. (Original) The method of claim 1, wherein the step of rewriting the first search query into

the modified search query comprises:

determining that the first search query is frequently received;

issuing the first search query to the backend data system to find information related to the

first search query;

determining additional content for the first search query based on the related information;

and

rewriting the first search query into a modified search query having the first content and

the additional content.

10. (Original) The method of claim 1, wherein the step of rewriting the first search query into

the modified search query comprises:

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determining a more common or popular phrase or term for the first content of the first search query; and

rewriting the first search query into the modified search query having the more common or popular phrase or term in place of the first content.

11. (Original) The method of claim 1, wherein the first and second search queries are received at a first system of a search site, and the search of the modified search query is issued by a search engine in the first system.

12. (Original) The method of claim 11, wherein the first system of the search site comprises the cache memory.

13. (Original) The method of claim 11, wherein the cache memory is physically apart from the first system of the search site.

14. (Original) The method of claim 11, wherein the step of rewriting is performed by the first system of the search site.

15. (Original) The method of claim 14, wherein the steps of mapping and determining are performed by the first system of the search site.

16. (Original) The method of claim 14, wherein the cache memory is a database in a cache memory system of the search site, and the steps of mapping and determining are performed by the cache memory system.

17. (Original) The method of claim 11, wherein the cache memory is a database in a cache memory system of the search site, and the step of rewriting is performed by the cache memory system.

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- 18. (Original) The method of claim 17, wherein the steps of mapping and determining are performed by the cache memory system.
- 19. (Original) The method of claim 17, wherein the steps of mapping and determining are performed by the first system of the search site.
- 20. (Original) The method of claim 1, wherein the cache memory comprises a memory chip.
- 21. (Original) The method of claim 1, wherein the cache memory comprises a disk-storage memory device.
- 22. (Original) The method of claim 1, wherein the step of rewriting the first search query into the modified search query comprises:

determining an additional phrase or term for the first content of the first search query; and augmenting the first search query with the additional phrase or term.

A computer-readable medium on which is encoded program code, 23. (Currently Amended) the program code comprising:

program code for receiving a first search query having a first content, the first content comprising a plurality of components;

program code for rewriting the first search query into a modified search query; program code for mapping the first search query to the modified search query in a cache memory;

program code for receiving a second search query having a second content; program code for determining whether at least a portion of the second content is substantially identical tomatches the first content;

program code for substituting the modified search query for the at least one portion of the second content to form a modified second search query in response to the at least one portion of the second content being substantially identical to matching the first content; and

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program code for issuing a search of the modified second search query to a backend data system to return one or more search results as responsive to the received second search query.

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24. (Currently Amended) The computer-readable medium of claim 1323, further comprising: program code for determining whether the second content is substantially identical tomatches the first content;

program code for substituting the modified search query for the received second search query in response to the second content being substantially identical to matching the first content; and

program code for issuing a search of the modified search query to the backend data system to return one or more search results as responsive to the received second search query.

- 25. (Currently Amended) The computer-readable medium of claim 23, further comprising: program code for issuing a search of the received second search query to the backend search system in response to the second content not comprising any portion that is substantially identical tomatches the first content.
- 26. (Original) The computer-readable medium of claim 23, wherein the program code for mapping the first search query to the modified search query in the cache memory comprises program code for generating a look-up table for the mapping.
- 27. (Original) The computer-readable medium of claim 23, wherein the program code for mapping is provided to run offline prior to the step of receiving the second search query; and the program code for substituting is provided to run online upon receiving the second search query.
- 28. (Original) The computer-readable medium of claim 23, wherein the program code for rewriting the first search query into the modified search query comprises:

program code for determining that the first search query is frequently received; program code for issuing the first search query to the backend data system to find information related to the first search query; Application No.: 10/812,901 Express Mail No. EV 517 992 215 US Filed: March 31, 2004 Attorney Docket No. GP-221-00-US

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program code for determining additional content for the first search query based on the related information; and

program code for rewriting the first search query into a modified search query having a first content and the additional content.

29. (Original) The computer-readable medium of claim 23, wherein the program code for rewriting the first search query into the modified search query comprises:

program code for determining a more common or popular phrase or term for the first content of the first search query; and

program code for rewriting the first search query into the modified search query having the more common or popular phrase or term in place of the first content.

30. (Original) The computer-readable medium of claim 23, wherein the program code for rewriting the first search query into the modified search query comprises:

program code for determining an additional phrase or term for the first content of the first search query; and

program code for augmenting the first search query with the additional phrase or term.